Amendments to the Claims

This listing of claims will replace the originally filed claims in the application.

Listing of Claims:

1-14 (cancelled)

15. (currently amended) A device for transferring water and heat between a first air flow and a second air flow, comprising a stack of at least two transfer subassemblies having a lamellar configuration, each of said transfer subassemblies comprising ~~a transfer structure with hydrophilic porous materials arranged between~~ :

a first structure comprising channels for distributing the first air flow ~~and~~ ;

a second structure comprising channels for distributing the second air flow;

one macroporous hydrophilic layer; and

two microporous hydrophilic layers, wherein said one macroporous hydrophilic layer is sandwiched between said two microporous hydrophilic layers to form a three-layer structure and said three-layer structure is sandwiched between said first and second structures.

16. (canceled)

17. (currently amended) The device of claim [[16]] 15, characterized in that the macroporous layer is a support layer made from a material with ~~long~~ fibers.

18. (curently amended) The device of claim 17, characterized in that the ~~macroporous layer is made from a material formed of~~ fibers are cellulose or glass fibers.

19. (curently amended) The device of claim 17, characterized in that the ~~macroporous layer consists of~~ fibers are woven ~~fibers~~.

20. (previously presented) The device of claim 17, characterized in that the macroporous layer has a pore size of between 50 and 250 µm.

21. (previously presented) The device of claim 16, characterized in that the microporous layer has a pore size not exceeding 5 microns.

22. (previously presented) The device of claim 21, characterized in that the microporous layer is made from polyethersulfone (PES).

23. (currently amended) The device of claim 16, characterized in that each of the ~~porous~~ hydrophilic layers is not more than 5 mm thick.

24. (currently amended) The device of claim ~~16~~ 25, characterized in that the ~~porous~~ hydrophilic layers of ~~a subassembly~~ one of said subassemblies are in ~~local~~ contact with the ~~porous~~ hydrophilic layers of an adjacent one of said subassemblies ~~subassembly~~ via contact zones laterally projecting from the polycarbonate plate.

25. (currently amended) The device of claim 15, characterized in that each ~~transfer structure~~ of said first and second structures comprises ~~at least one~~ a molded polycarbonate plate having the air channels formed therein.

26. (previously presented) The device of claim 15, characterized in that the stack is peripherally enveloped in an airtight film.

27. (currently amended) The device of claim 15, characterized in that the stack is ~~mounted~~ pressed between fluid distribution bodies provided with members for connection to ~~circuitry~~ fluid circuits of a fuel cell.

28. (cancelled)